# South Dakota Weekly Crop Weather Report

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National Agricultural Statistics Service
South Dakota Field Office
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Sioux Falls, SD 57117-5068
Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

#### AGRICULTURAL SUMMARY

The hot, humid week that allowed for 6.4 days suitable for field work, pushed crop progress along, but was hard on livestock. Crop conditions were reported steady to slightly lower, showing some stress from the weather. Producer's stayed busy this week; spraying weeds, scouting for pest, hauling grain, haying, harvesting wheat, and trying to protect livestock from the heat.

This report was based on information from county extension educators, Farm Service Agency county directors, and other reporters across the state.

#### WEATHER INFORMATION

Statewide conditions were dominated by a very warm-humid airmass throughout much of the week, according to the State Climate Office of South Dakota. Temperatures were well into the 90°s with many locations into the 100°s F. Accompanying the high temperatures were dew points which reached well into the 70°s and even lower 80°s F. These combined to produce heat indexes reaching very dangerous levels leading to health issues for humans and cattle. Over 1500 cattle were reported lost during the week. Average temperatures were far above average for this time of year, ranging from 5-10° F, because of the high daytime temperatures and very warm overnight lows during the most humid part of the week. Philip, Kennebec and Winner shared the daily high temperature of 105° F; Custer had the low at 52° F. The warmer temperatures of the last two weeks have closed the deficit on GDDs substantially. Usually above average accumulation is not expected this time of year.

Rainfall was much more isolated and lighter this week. A few areas of the northeast, Harding County and some areas in the central part of the state received the heaviest rain. Outside these areas, little or no rain fell. Most of the state was below average in precipitation for the week. Buffalo reported the highest total for the week at 2.36 inches. Fourteen stations reported no precipitation. Another twelve reported less than 0.10 inches.

### FIELD CROPS REPORT

Crops developed this week by leaps and bounds, but conditions are starting to show some stress. Corn jumped to 60 percent tasseled, behind the previous year of 70 percent, and is now 24 percent silked, lagging behind 43 percent for last year. Soybeans blooming shot up to 65 percent, just shy of 71 percent for the 5-year average. Soybeans setting pods, now at 10 percent, are behind the 21 percent for last year. Winter Wheat is now 29 percent harvested, still short of 57 percent for the previous year. Sixty-two percent of the spring wheat crop is turning color, lagging behind the 5-year average of 86 percent. Oats are 59 percent turning color and 25 percent ripe, still behind last year at 90 and 47 percent respectively. 1st cutting of alfalfa is coming to an end with 95 percent complete and 2nd cutting is 56 percent harvested both just short of the 5-year averages of 99 and 62 percent respectively.

### Crop and Livestock Conditions as of July 24, 2011

as of July 24, 2011								
Item	V Poor	Poor	Fair	Good	Excel			
	Percent	Percent	Percent	Percent	Percent			
Winter Wheat	0	1	19	63	17			
Spring Wheat	1	2	24	53	20			
Barley	0	1	29	60	10			
Oats	0	1	18	70	11			
Corn	2	4	16	62	16			
Soybeans	3	6	21	60	10			
Sorghum	0	1	15	73	11			
Sunflower	0	1	21	67	11			
Alfalfa	1	3	15	61	20			
Cattle	1	1	11	72	15			
Sheep	0	2	11	69	18			
Range & Pasture	1	2	11	65	21			

### LIVESTOCK, PASTURE, AND RANGE REPORT

Livestock conditions are in decent shape, but flies, mosquitoes, and heat were major problems, resulting in losses to some producers. Cattle conditions are slightly lower from last week, with 87 percent rated good to excellent, just behind the previous year of 90 percent. Sheep conditions held steady with the previous year, having 87 percent rated good to excellent. Feed supplies are at 100 percent rated adequate to surplus, ahead of the 5-year average of 83 percent.

### Feed and Water Supplies Comparison as of July 24, 2011

us 01 0 ui j 2 i j 2 0 1 1								
	Fee	ed Suppl	ies	Stock Water Supplies				
Rating	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.		
	Percent	Percent	Percent	Percent	Percent	Percent		
Very Short	0	0	4	0	0	9		
Short	0	3	13	2	3	15		
Adequate	86	76	73	73	69	64		
Surplus	14	21	10	25	27	12		

### Soil Moisture Condition Comparison as of July 24, 2011

		Topsoil		Subsoil				
Rating	This Week	Last Week	Last Year	This Week	Last Week	Last Year		
	Percent Percent		Percent	Percent	Percent	Percent		
Very Short	1	0	2	1	1	0		
Short	17	4	14	10	4	11		
Adequate	63	74	64	62	67	67		
Surplus	19	22	20	27	28	22		

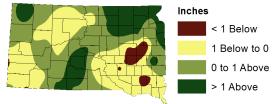
### Crop Progress as of July 24, 2011

Week   Week   Year   Avg.	Item	This	Last	Last	5-Yr
Winter Wheat         99         95         100         100           Ripe         75         20         94         86           Harvested         29         1         57         56           Barley         Headed         87         75         100         100           Turning Color         29         7         89         86           Ripe         4         0         22         32           Harvested         0         0         7         8           Oats           Headed         97         91         100         100           Turning Color         59         42         90         88           Ripe         25         5         47         50           Harvested         5         0         13         22           Spring Wheat         1         4         39         86           Ripe         7         1         44         39           Harvested         96         94         100         100           Turning Color         62         20         90         86           Ripe         7         1         44	Item	Week	Week	Year	Avg.
Turning Color Ripe Ripe Ripe Rarvested Rarvested Readed Ripe Readed Ripe Ripe Readed Ripe Ripe Ripe Ripe Ripe Ripe Ripe Ripe		Percent	Percent	Percent	Percent
Ripe       75       20       94       86         Harvested       29       1       57       56         Barley       Headed       87       75       100       100         Turning Color       29       7       89       86         Ripe       4       0       22       32         Harvested       0       0       7       8         Oats         Headed       97       91       100       100         Turning Color       59       42       90       88         Ripe       25       5       47       50         Harvested       5       0       13       22         Spring Wheat       10       100       100       100       100         Ripe       7       1       44       39       86       86       86       Ripe       7       1       44       39       86       89       86       Ripe       4       100       100       100       100       100       100       100       100       100       100       100       100       100       100       12       12       3       3	Winter Wheat				
Ripe       75       20       94       86         Harvested       29       1       57       56         Barley       Headed       87       75       100       100         Turning Color       29       7       89       86         Ripe       4       0       22       32         Harvested       0       0       7       8         Oats         Headed       97       91       100       100         Turning Color       59       42       90       88         Ripe       25       5       47       50         Harvested       5       0       13       22         Spring Wheat       10       100       100       100       100         Ripe       7       1       44       39       86       86       86       Ripe       7       1       44       39       86       89       86       Ripe       4       100       100       100       100       100       100       100       100       100       100       100       100       100       100       12       12       3       3	Turning Color	99	95	100	100
Harvested   29		75	20	94	86
Headed       87       75       100       100         Turning Color       29       7       89       86         Ripe       4       0       22       32         Harvested       0       0       7       8         Oats		29	1	57	56
Headed       87       75       100       100         Turning Color       29       7       89       86         Ripe       4       0       22       32         Harvested       0       0       7       8         Oats	Barley				
Ripe       4       0       22       32         Harvested       0       0       7       8         Oats         Headed       97       91       100       100         Turning Color       59       42       90       88         Ripe       25       5       47       50         Harvested       5       0       13       22         Spring Wheat         Headed       96       94       100       100         Turning Color       62       20       90       86         Ripe       7       1       44       39         Harvested       0       0       5       12         Corn         2nd cult./spray       91       64       80       89         Tasseled       60       13       70       57         Silked       24       2       43       32         Soybeans         Blooming       65       34       64       71         Sorghum       10       0       21       17         Sorghum         Headed       12		87	75	100	100
Ripe       4       0       22       32         Harvested       0       0       7       8         Oats	Turning Color	29	7	89	86
Harvested       0       0       7       8         Oats       Headed       97       91       100       100         Turning Color       59       42       90       88         Ripe       25       5       47       50         Harvested       5       0       13       22         Spring Wheat         Headed       96       94       100       100         Turning Color       62       20       90       86         Ripe       7       1       44       39         Harvested       0       0       5       12         Corn       2nd cult./spray       91       64       80       89         Tasseled       60       13       70       57         Silked       24       2       43       32         Soybeans       8       8       8         Blooming       65       34       64       71         Sorghum       10       0       21       17         Sorghum       1       8       9         Headed       12       3       17       26         Sunflower <td></td> <td>4</td> <td>0</td> <td>22</td> <td>32</td>		4	0	22	32
Headed 97 91 100 100 Turning Color 59 42 90 88 Ripe 25 5 47 50 Harvested 5 0 13 22  Spring Wheat Headed 96 94 100 100 Turning Color 62 20 90 86 Ripe 7 1 44 39 Harvested 0 0 5 12  Corn 2nd cult./spray 91 64 80 89 Tasseled 60 13 70 57 Silked 24 2 43 32  Soybeans Blooming 65 34 64 71 Setting Pods 10 0 21 17  Sorghum Headed 12 3 17 26  Sunflower Blooming 5 1 8 9 Alfalfa 1st Cutting 95 92 99 99 2nd Cutting 56 31 54 62  Other Hay Cut 73 65 77 80		0	0	7	8
Turning Color Ripe Alexarder Ripe Harvested Spring Wheat Headed Headed Turning Color Ripe Harvested  Turning Color Ripe Harvested  Corn  2nd cult./spray Tasseled Silked  Soybeans Blooming Setting Pods  Headed  Sunflower Blooming Alfalfa  1st Cutting 2nd Cutting  Possible Alexarder  Possible Alexarder  Soybeans  Blooming Soybeans  Soybeans  Blooming Soybeans  Blooming Soybeans Soybeans  Blooming Soybeans Soybeans  Blooming Soybeans S	Oats				
Ripe       25       5       47       50         Harvested       5       0       13       22         Spring Wheat       8       8       8       100       12       12       12       12       12       12       13       17       12       14       139       14       139       14       139       14       130       14       130       18       18       14       14       139       14       130       14       130       14       14       139       14       14       130       14       14       130       14       14       130       14       14       130       14       14       130       14       14       130       14       14       14       130       14       14       14       130       14       14       14       130       14       14       14       14       14       14       14       14       14       14       14 <td< td=""><td>Headed</td><td>97</td><td>91</td><td>100</td><td>100</td></td<>	Headed	97	91	100	100
Ripe       25       5       47       50         Harvested       5       0       13       22         Spring Wheat       8       8       8       100       12       12       12       12       12       12       13       17       12       14       139       14       139       14       139       14       130       14       130       18       18       14       14       139       14       130       14       130       14       14       139       14       14       130       14       14       130       14       14       130       14       14       130       14       14       130       14       14       130       14       14       14       130       14       14       14       130       14       14       14       130       14       14       14       14       14       14       14       14       14       14       14 <td< td=""><td>Turning Color</td><td>59</td><td>42</td><td>90</td><td>88</td></td<>	Turning Color	59	42	90	88
Spring Wheat         96         94         100         100           Turning Color         62         20         90         86           Ripe         7         1         44         39           Harvested         0         0         5         12           Corn         2nd cult./spray         91         64         80         89           Tasseled         60         13         70         57           Silked         24         2         43         32           Soybeans         Blooming         65         34         64         71           Setting Pods         10         0         21         17           Sorghum         Headed         12         3         17         26           Sunflower         Blooming         5         1         8         9           Alfalfa         1st Cutting         95         92         99         99           2nd Cutting         56         31         54         62           Other Hay         73         65         77         80		25	5	47	50
Headed Turning Color Ripe Ripe Harvested  Corn  2nd cult./spray Tasseled Silked  Soybeans Blooming Setting Pods  Headed  12  Sorghum Headed  Headed  12  Sunflower Blooming Bl	Harvested	5	0	13	22
Turning Color Ripe Ripe Harvested  Corn  2nd cult./spray Tasseled Silked  Soybeans Blooming Setting Pods  Headed  Sunflower Blooming Blooming Headed  Sunflower Blooming St Cutting  Alfalfa  1st Cutting 2nd Cutting Cut  Setting Pods  Setting Pods  Sunflower Blooming Setting Pods  Sunflower Sunflo	Spring Wheat				
Ripe       7       1       44       39         Harvested       0       0       5       12         Corn       2nd cult./spray       91       64       80       89         Tasseled       60       13       70       57         Silked       24       2       43       32         Soybeans       Blooming       65       34       64       71         Setting Pods       10       0       21       17         Sorghum       Headed       12       3       17       26         Sunflower       Blooming       5       1       8       9         Alfalfa       1st Cutting       95       92       99       99         2nd Cutting       56       31       54       62         Other Hay       73       65       77       80	Headed	96	94	100	100
Harvested     0     0     5     12       Corn     2nd cult./spray     91     64     80     89       Tasseled     60     13     70     57       Silked     24     2     43     32       Soybeans     Blooming     65     34     64     71       Setting Pods     10     0     21     17       Sorghum     Headed     12     3     17     26       Sunflower     Blooming     5     1     8     9       Alfalfa     1st Cutting     95     92     99     99       2nd Cutting     56     31     54     62       Other Hay     73     65     77     80	Turning Color	62	20	90	86
Corn       91       64       80       89         Tasseled       60       13       70       57         Silked       24       2       43       32         Soybeans         Blooming       65       34       64       71         Setting Pods       10       0       21       17         Sorghum         Headed       12       3       17       26         Sunflower       5       1       8       9         Alfalfa       95       92       99       99       99         2nd Cutting       56       31       54       62         Other Hay       73       65       77       80	Ripe	7	1	44	39
2nd cult./spray     91     64     80     89       Tasseled     60     13     70     57       Silked     24     2     43     32       Soybeans       Blooming     65     34     64     71       Setting Pods     10     0     21     17       Sorghum       Headed     12     3     17     26       Sunflower       Blooming     5     1     8     9       Alfalfa     1st Cutting     95     92     99     99       2nd Cutting     56     31     54     62       Other Hay     73     65     77     80	Harvested	0	0	5	12
Tasseled       60       13       70       57         Silked       24       2       43       32         Soybeans       8       34       64       71         Setting Pods       10       0       21       17         Sorghum       12       3       17       26         Sunflower       3       17       26         Blooming       5       1       8       9         Alfalfa       95       92       99       99         2nd Cutting       56       31       54       62         Other Hay       73       65       77       80	Corn				
Silked       24       2       43       32         Soybeans       Blooming       65       34       64       71         Setting Pods       10       0       21       17         Sorghum       12       3       17       26         Sunflower       8       9         Blooming       5       1       8       9         Alfalfa       95       92       99       99         2nd Cutting       56       31       54       62         Other Hay       73       65       77       80	2nd cult./spray	91	64	80	89
Soybeans       65       34       64       71         Setting Pods       10       0       21       17         Sorghum       12       3       17       26         Sunflower       12       3       17       26         Sunflower       5       1       8       9         Alfalfa       1st Cutting       95       92       99       99         2nd Cutting       56       31       54       62         Other Hay       73       65       77       80	Tasseled	60	13	70	57
Blooming 65 34 64 71 Setting Pods 10 0 21 17	Silked	24	2	43	32
Setting Pods       10       0       21       17         Sorghum       12       3       17       26         Sunflower       12       3       17       26         Sunflower       5       1       8       9         Alfalfa       95       92       99       99         2nd Cutting       56       31       54       62         Other Hay       73       65       77       80	Soybeans				
Sorghum         12         3         17         26           Sunflower         12         3         17         26           Sunflower         1         8         9           Blooming         5         1         8         9           Alfalfa         1st Cutting         95         92         99         99           2nd Cutting         56         31         54         62           Other Hay         73         65         77         80	Blooming	65	34	64	71
Headed     12     3     17     26       Sunflower     8     9       Blooming     5     1     8     9       Alfalfa     95     92     99     99       2nd Cutting     56     31     54     62       Other Hay     73     65     77     80	Setting Pods	10	0	21	17
Sunflower     Blooming     5     1     8     9       Alfalfa     95     92     99     99       2nd Cutting     56     31     54     62       Other Hay     73     65     77     80	Sorghum				
Blooming       5       1       8       9         Alfalfa       95       92       99       99         2nd Cutting       56       31       54       62         Other Hay       65       77       80	Headed	12	3	17	26
Alfalfa       95       92       99       99         2nd Cutting       56       31       54       62         Other Hay       73       65       77       80	Sunflower				
1st Cutting       95       92       99       99         2nd Cutting       56       31       54       62         Other Hay       73       65       77       80	Blooming	5	1	8	9
2nd Cutting     56     31     54     62       Other Hay     73     65     77     80	Alfalfa				
Other Hay         73         65         77         80			-		
Cut         73         65         77         80		56	31	54	62
		73	65	77	80

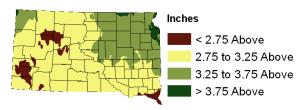
<sup>&</sup>lt;sup>1</sup> Percents represent all acreage in or beyond each stage.

#### ADDRESS SERVICE REQUESTED

## PAST 30 DAYS Accumulated Precip Deviation from Average From June 25 to July 24, 2011



### GROWING SEASON Accumulated Precip Deviation from Average From April 1 to July 24, 2011



## TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS Week Ending Sunday, July 24, 2011

	Tei	Precipitation				Growing Degree Days					
District		Departure				rture	Departure				
And	Average	Departure From	High	Low		Total		From Normal		Total	From Normal
Station		Normal	8		Current Week	Since Oct. 1	Since Apr. 1	Since Oct. 1	Since Apr. 1	Sin	ce April 1
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
Northwest											
Bison	78	5	96	59	0.20	14.88	10.37	0.65	0.81	1,276	-120
Buffalo	75	4	95	55	2.36	17.05	13.39	4.21	4.24	1,126	-169
Dupree	81	8	103	55	0.00	19.15	13.11	4.48	2.90	1,316	-190
McIntosh	77	4	99	54	0.20	13.85	9.95	0.81	0.69	1,279	-171
Newell	79	5	102	54	0.00	15.39	10.73	1.25	0.89	1,216	-174
Timber Lake	80	7	102	58	0.03	19.48	13.38	4.52	3.38	1,342	-123
North Central		_									
Aberdeen	81	8	100	60	0.71	23.10	16.82	7.76	6.54	1,429	-70
Faulkton	79	6	99	59	0.00	19.99	13.95	6.27	4.12	1,345	-186
Mobridge	79	5		55	0.03	16.01	10.80	2.81	2.75	1,294	-187
Roscoe	78	6	100	60	0.02	21.07	14.01	5.38	3.27	1,266	-42
Northeast Britton	80	8	98	58	0.88	22.34	14.42	6.62	3.70	1,483	-73
Clear Lake	78	7	98	60	0.88	23.85	15.56	5.65	4.42	1,463	-242
Sisseton	79	6	97	59	0.14	23.89	14.73	7.10	4.42	1,243	-155
Watertown	79	8	96	58	1.58	21.24	12.45	4.84	1.67	1,295	-160
Webster	78	6	96	61	1.56	23.26	12.43	6.78	1.37	1,365	-100 -95
West Central	70		70	01	1.50	23.20	12.71	0.70	1.57	1,303	)3
Faith	79	4	100	59	0.00	16.13	10.83	1.40	1.26	1,235	-254
Milesville	81	6	103	58	0.57	17.65	13.07	1.94	2.31	1,399	-159
Philip	83	8		56	0.06	15.82	11.40	2.15	1.89	1,332	-211
Rapid City	79	6	102	54	0.00	15.70	11.73	2.22	2.54	1,225	-163
Spearfish	79	7	96	54	0.00	17.24	11.24	0.21	0.67	1,195	-132
Central										,	
Chamberlain	85	10	104	63	0.00	17.40	13.23	6.12	2.60	1,483	-146
Highmore	81	8	100	61	0.13	15.24	10.73	3.20	0.49	1,316	-250
Huron	83	9	100	61	0.01	17.83	11.08	1.39	0.30	1,534	-36
Onida	80	6	99	59	0.37	18.83	12.85	3.02	2.80	1,404	-184
Pierre	81	5	101	59	0.48	23.50	16.86	7.59	6.07	1,402	-215
Wessington Spr.	83	8	101	63	0.67	20.38	14.34	2.90	2.96	1,507	-143
East Central											
Brookings	80	9	94	59	0.02	21.22	15.03	4.46	3.34	1,369	-12
Madison	80	9	95	59	0.09	21.06	15.86	2.35	3.74	1,396	-104
Mitchell	84	9	102	66	0.00	19.27	13.66	2.35	2.83	1,642	1
Sioux Falls	82	8	96	62	0.14	21.75	15.97	3.30	4.23	1,525	-84
Southwest	7.4	7	0.2	50	0.01	17.60	11.00	2.02	1.07	005	62
Custer	74	7	92	52	0.01	17.69	11.90	2.03	1.07	985	-63
Hot Springs	81	8	102	56	0.05	14.72	10.62	0.91	0.68	1,411	-99 175
Oelrichs	81	6	104	56	0.00	12.85	10.06	-0.89	0.46	1,347	-175
Porcupine South Control	81	7	102	57	0.00	18.19	11.53	4.10	1.72	1,343	-191
South Central Kennebec	83	_	105	58	0.20	16.12	11.05	1.42	1 67	1 550	-174
Mission	83	6	99	58 60	0.20	24.22	11.95 19.21	8.26	1.67 7.95	1,552 1,366	-1 /4 -97
Murdo	82	7		62	1.65	24.22	18.88	8.03	8.07	1,300	-176
Winner	86	9		64	0.01	17.69	13.95	1.06	1.52	1,555	-170
Southeast			103	04	0.01	17.03	13.73	1.00	1.52	1,333	-19/
Academy	82	8	101	61	0.02	20.53	17.54	2.50	5.37	1,451	-172
Centerville	81	7	96	64	0.02	17.81	14.38	-0.34	1.52	1,596	-21
Pickstown	85	9		65	0.00	18.10	12.35	0.05	0.15	1,670	-24
Vermillion	84	8		68	0.00	17.38	12.69	-2.05	-0.12	1,789	-74
Yankton	83	8		63	0.00	22.92	16.34	3.63	3.39	1,652	-40

DATA AND MAP SOURCE: State Climate Office of South Dakota